

# Conversion Factors

## General Conversion Factors

To Obtain	Multiply	By
Degree (angle)	Radians	57.2958
Ergs	Foot-Pounds	$1.356 \times 10^7$
Feet	Miles	5280
Foot-Pounds	Horsepower-Hours	$1.98 \times 10^6$
Foot-Pounds	Kilowatt-Hours	$2.655 \times 10^6$
Foot-Pounds per Minute	Horsepower	$3.3 \times 10^4$
Horsepower	Foot-Pounds per Second	$1.818 \times 10^{-3}$
Inches of Mercury @ 0° C	Pounds per Square Inch	2.036
Joules	BTU	1054.8
Joules	Foot-Pounds	1.35582
Kilowatts	BTU per Minute	$1.758 \times 10^{-2}$
Kilowatts	Foot-Pounds per Minute	$2.26 \times 10^{-5}$
Kilowatts	Horsepower	0.745712
Knots	Miles per Hour	0.86897624
Miles	Feet	$1.894 \times 10^{-4}$
Nautical Miles	Miles	0.86897624
Radians	Degrees	$1.745 \times 10^{-2}$
Square Feet	Acres	43560
Watts	BTU per Minute	17.5796